Ministry of
Northern Development
and Mines

Ontario

ONTARIO GEOLOGICAL SURVEY

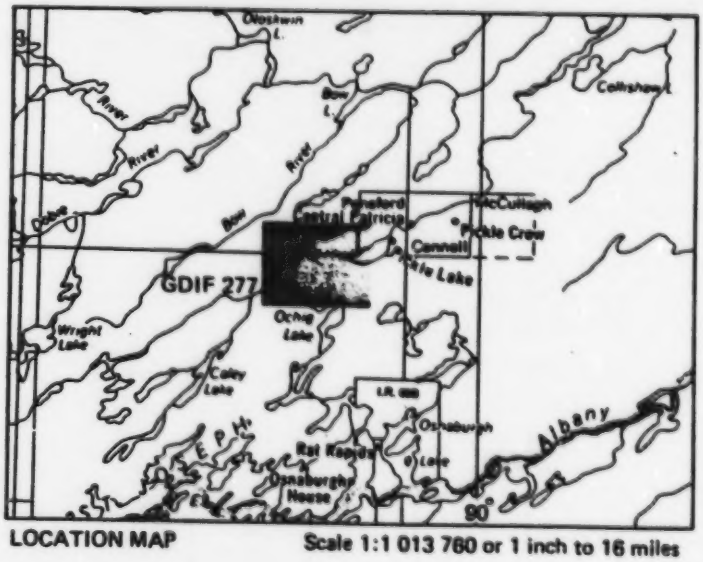
GEOLOGICAL DATA INVENTORY FOLIO

GDIF 277

# KAPKICHI LAKE AREA

DISTRICT OF KENORA
(PATRICIA PORTION)

Compiled by the Staff of
the Resident Geologist's Office
Sioux Lookout




LOCATION MAP Scale 1:1 013 760 or 1 inch to 16 miles

87-00307/

NTS Number 52 0/08 NW

Mining Claim Map Number M-2246

This project is a component of the Northern Ontario Geological Survey (NOGS) Program.

STATEMENT: This inventory is unedited. Discrepancies may occur for which the Ontario Geological Survey does not assume liability. Information from this source may be quoted if credit is given. Reference to this inventory should be made as follows:

Ontario Geological Survey
1986: Kapkichi Lake Area, District of Kenora, Patricia Portion; Ontario Geological Survey, Geological Data Inventory Folio 277, compiled by the staff of the Resident Geologist's Office, Sioux Lookout, 28p. and 3 maps.

Original Compilation by: G. Sjonger, M. Sawtelle

| Date | Page Revised | Revised by |
|---|---|---|
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| Date | Page Revised | Revised by |
|---|---|---|
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KAPKICHI LAKE

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**ACCOMPANYING MAPS**

Property Location Map - 2 maps

Exploration Data Map - 1 map

Map Scale 1: 31 680 or 1 inch to ½ mile

# CONVERSION FACTORS FOR MEASUREMENTS IN ONTARIO GEOLOGICAL SURVEY PUBLICATIONS

If the reader wishes to convert imperial units to SI (metric) units or SI units to imperial units the following multipliers should be used:

| CONVERSION FROM SI TO IMPERIAL | | | CONVERSION FROM IMPERIAL TO SI | | |
|---|---|---|---|---|---|
| *SI Unit* | *Multiplied by* | *Gives* | *Imperial Unit* | *Multiplied by* | *Gives* |
| | | **LENGTH** | | | |
| 1 mm | 0.039 37 | inches | 1 inch | **25.4** | mm |
| 1 cm | 0.393 70 | inches | 1 inch | **2.54** | cm |
| 1 m | 3.280 84 | feet | 1 foot | **0.304 8** | m |
| 1 m | 0.049 709 7 | chains | 1 chain | **20.116 8** | m |
| 1 km | 0.621 371 | miles (statute) | 1 mile (statute) | **1.609 344** | km |
| | | **AREA** | | | |
| 1 $cm^2$ | 0.155 0 | square inches | 1 square inch | **6.451 6** | $cm^2$ |
| 1 $m^2$ | 10.763 9 | square feet | 1 square foot | **0.092 903 04** | $m^2$ |
| 1 $km^2$ | 0.386 10 | square miles | 1 square mile | **2.589 988** | $km^2$ |
| 1 ha | 2.471 054 | acres | 1 acre | 0.404 685 6 | ha |
| | | **VOLUME** | | | |
| 1 $cm^3$ | 0.061 02 | cubic inches | 1 cubic inch | **16.387 064** | $cm^3$ |
| 1 $m^3$ | 35.314 7 | cubic feet | 1 cubic foot | **0.028 316 85** | $m^3$ |
| 1 $m^3$ | 1.308 0 | cubic yards | 1 cubic yard | **0.764 555** | $m^3$ |
| | | **CAPACITY** | | | |
| 1 L | 1.759 755 | pints | 1 pint | **0.568 261** | L |
| 1 L | 0.879 877 | quarts | 1 quart | **1.136 522** | L |
| 1 L | 0.219 969 | gallons | 1 gallon | **4.546 090** | L |
| | | **MASS** | | | |
| 1 g | 0.035 273 96 | ounces (avdp) | 1 ounce (avdp) | **28.349 523** | g |
| 1 g | 0.032 150 75 | ounces (troy) | 1 ounce (troy) | **31.103 476 8** | g |
| 1 kg | 2.204 62 | pounds (avdp) | 1 pound (avdp) | **0.453 592 37** | kg |
| 1 kg | 0.001 102 3 | tons (short) | 1 ton (short) | **907.184 74** | kg |
| 1 t | 1.102 311 | tons (short) | 1 ton (short) | **0.907 184 74** | t |
| 1 kg | 0.000 984 21 | tons (long) | 1 ton (long) | **1016.046 908 8** | kg |
| 1 t | 0.984 206 5 | tons (long) | 1 ton (long) | **1.016 046 908 8** | t |
| | | **CONCENTRATION** | | | |
| 1 g/t | 0.029 166 6 | ounce (troy)/ ton (short) | 1 ounce (troy)/ ton (short) | 34.285 714 2 | g/t |
| 1 g/t | 0.583 333 33 | pennyweights/ ton (short) | 1 pennyweight/ ton (short) | 1.714 285 7 | g/t |

**OTHER USEFUL CONVERSION FACTORS**

| | | |
|---|---|---|
| 1 ounce (troy)/ton (short) | 20.0 | pennyweights/ton (short) |
| 1 pennyweight/ton (short) | 0.05 | ounce (troy)/ton (short) |

One gram(g) per tonne is equivalent to one part per million (1 ppm).

NOTE–Conversion factors which are in bold type are exact. The conversion factors have been taken from or have been derived from factors given in the Metric Practice Guide for the Canadian Mining and Metallurgical Industries published by The Mining Association of Canada in co-operation with the Coal Association of Canada.

# DATA SOURCES CHECK LIST

NOTE: The following sources have been searched to compile the data for this map. If no reference data was found, the appropriate box is marked 'no'; if reference was found, the box is marked 'yes'.

All reference data found are included in the following pages. If the box is blank, the data source has not yet been searched. If the box is marked N.A., the source item is Not Applicable to this area and therefore not searched.

| | SOURCES OF DATA | Data | Initial |
|---|---|---|---|
| 1 | Resident Geologist's Office Files | Yes | GS |
| 2 | Assessment Files Research Office, Toronto | | |
| 3 | ODM General Index; 7 volumes | Yes | GS |
| 4 | Catalogue of Airborne Geophysical Surveys (ODM) | Yes | GS |
| 5 | ODM Mineral Resources Circulars and OGS Mineral Deposits Circulars | Yes | GS |
| 6 | ODM Industrial Mineral Reports | No | GS |
| 7 | Bibliography of Post Precambrian Theses - Karrow (ODM MP 1) | No | GS |
| 8 | Bibliography of Precambrian Theses - Ginn (ODM MP 2) | No | GS |
| 9 | Newspaper Clippings File | Yes | GS |
| 10 | GSC Index to Publications | Yes | GS |
| 11 | OGS Index to Published Maps and Reports - MP 77 and Supplements to MP 77 | Yes | GS |
| 12 | OGS Index Maps | Yes | GS |
| 13 | Source Mineral Deposit Records (O.G.S.) | Yes | GS |
| 14 | Author - Subject Articles File | No | GS |
| 15 | Miscellaneous Papers: ODM & OGS | Yes | GS |
| 16 | ODM Geological Circulars: OGS Study Series | No | GS |
| 17 | ODM Preliminary Reports: ODM Bulletins | Yes | GS |
| 18 | ODM – OGS Open File Reports | Yes | GS |
| 19 | OGS Northern Ontario Engineering Geology Terrain Studies | No | GS |
| 20 | OGS Aggregate Resources Inventory Papers | No | GS |
| 21 | OGS Mineral Potential Maps | Yes | GS |
| 22 | Aerial Photographs filed in Sioux Lookout | No | GS |
| 23 | Unpublished Theses | Yes | GS |
| | | | |

# METALS AND MINERALS REFERENCES LIST

- △ anh. . . . . Anhydrite
- △ ank. . . . . Ankerite
- △ anna . . . . . Annabergite
- △ ap. . . . . Apatite
- △ arg . . . . . Argentite
- △ As . . . . . Arsenic
- △ asp . . . . . Arsenopyrite
- △ asb . . . . . Asbestos
- △ ba. . . . . Barite
- △ be. . . . . Beryl
- △ Bi. . . . . Bismuth
- △ bn . . . . . Bornite
- △ brən . . . . . Brannerite
- △ bruc . . . . . Brucite
- △ Cd . . . . . Cadmium
- △ calc. . . . . Calcite
- △ carb . . . . . Carbonate
- △ cel . . . . . Celestite
- △ cc. . . . . Chalcocite
- △ cp. . . . . Chalcopyrite
- △ ch. . . . . Chert
- △ clay . . . . . Clay
- △ Co . . . . . Cobalt
- △ cob. . . . . Cobaltite
- △ cb. . . . . Columbite
- ▲ Cu . . . . . Copper
- △ cor . . . . . Corundum
- △ dol . . . . . Dolomite
- △ ep. . . . . Epidote
- △ ery . . . . . Erythrite
- △ fel . . . . . Feldspar
- △ fl . . . . . Fluorite (fluorspar)
- △ fu. . . . . Fuchsite
- △ gn. . . . . Galena
- △ gt . . . . . Garnet
- △ goe . . . . . Goethite
- △ Au . . . . . Gold
- △ gf. . . . . Graphite
- △ gl . . . . . Gravel
- △ gyp. . . . . Gypsum
- △ hem . . . . . Hematite
- △ il . . . . . Ilmenite
- △ Fe . . . . . Iron
- △ IF. . . . . Iron Formation
- △ jas . . . . . Jasper
- △ kaol . . . . . Kaolinite (kaolin)
- △ ky . . . . . Kyanite
- △ Pb . . . . . Lead
- △ lim . . . . . Limonite
- △ Li. . . . . Lithium
- △ mgst . . . . . Magnesite
- △ mag . . . . . Magnetite
- △ mc . . . . . Malachite
- △ Mn . . . . . Manganese
- △ mb . . . . . Marble
- △ mar. . . . . Marcasite
- △ ma . . . . . Marl
- △ mi . . . . . Mica
- △ ml . . . . . Millerite
- △ mo . . . . . Molybdenite
- ▲ Mo . . . . . Molybdenum
- △ mon . . . . . Monazite
- △ ne. . . . . Nephelite (nepheline)
- △ nc. . . . . Niccolite
- ▲ Ni. . . . . Nickel
- △ Nb . . . . . Niobium
- △ Pd . . . . . Palladium
- △ peat . . . . . Peat
- △ pent . . . . . Pentlandite
- △ Pt. . . . . Platinum
- △ py . . . . . Pyrite
- △ pyl . . . . . Pyrochlore
- △ pyrl . . . . . Pyrolusite
- △ po . . . . . Pyrrhotite
- △ q . . . . . Quartz
- △ qcv. . . . . Quartz carbonate vein
- △ ra. . . . . Radioactive minerals
- △ RE . . . . . Rare Earths
- △ sd. . . . . Sand
- △ sgl . . . . . Sand and gravel
- △ ss . . . . . Sandstone
- △ scap . . . . . Scapolite
- △ shee . . . . . Scheelite
- △ serp . . . . . Serpentine
- △ sh. . . . . Shale
- △ sid . . . . . Siderite
- △ si . . . . . Silica
- △ Ag . . . . . Silver
- △ sl . . . . . Slate
- △ sm . . . . . Smaltite
- △ sod. . . . . Sodalite
- △ spec . . . . . Specularite
- △ sp. . . . . Sphalerite
- △ spd. . . . . Spodumene
- △ staur. . . . . Staurolite
- △ stib. . . . . Stibnite
- △ st. . . . . Stone
- △ talc. . . . . Talc
- △ Te . . . . . Tellurium
- △ td. . . . . Tetrahedrite
- △ th. . . . . Thorite
- △ Th . . . . . Thorium
- △ thuc . . . . . Thucholite
- △ ti . . . . . Titanite
- △ Ti. . . . . Titanium
- △ tour . . . . . Tourmaline
- △ trap . . . . . Trap rock
- △ W. . . . . Tungsten
- △ uran . . . . . Uraninite
- △ U . . . . . Uranium
- △ verm . . . . . Vermiculite
- △ Y . . . . . Yttrium
- △ Zn . . . . . Zinc
- △ zr. . . . . Zircon

**Solid triangles indicate metal and mineral occurrences shown on the accompanying maps.**

KAPKICHI LAKE

## MINERAL OCCURRENCES

| Map Ref. Letter | Name(s) | Mineralization | Source Mineral Deposit Record | References in OGS Mineral Deposits Circulars & OGS Industrial Mineral Reports | Additional References and/or Remarks |
|---|---|---|---|---|---|
| A | Thierry | Cu,Ni,Pt, Pd,Au,Ag | #00997 | | MDIR #KP 0247<br>OFR 5180, p.194-213<br>Report 207, p.126-133 |
| B | Kapkichi | Ni,Cu | #00624 | MDC 12, p.177, 1969 | MDIR #KP 0248<br>OFR 5180, p.191-194 |
| C | Central Patricia | Ni,Cu | #00613 | | MDIR #KP 0249<br>OFR 5180, p.191-194 |
| D | Umex Kapkichi<br>(Kapkichi Lake)<br>(Kapkichi Lake J) | Ni,Cu | #01011 | | MDIR #KP 0250<br>OFR 5180, p.191-194 |
| E | Transterre | Cu,Mo | | | MDIR #KP 0015 |

GDIF FORM NO. 1

| TYPE OF WORK | | Numbers below represent the year in which the work was done; e.g., 68 for 1968. | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| EXPLORATION DATA filed at the RESIDENT GEOLOGIST'S OFFICE | | GEOLOGICAL | GEOCHEMICAL | TRENCHING, STRIPPING | DRILLING | ASSAY DATA | UNDERGROUND WORK | PROSPECTUS, NOTES, CORRESPONDENCE | AIRBORNE MAGNETOMETER | AIRBORNE ELECTROMAGNETIC | AIRBORNE RADIOMETRIC | GROUND MAGNETOMETER | GROUND ELECTROMAGNETIC | GROUND RADIOMETRIC | INDUCED POLARIZATON | SELF POTENTIAL | RESISTIVITY | | | |
| COMPANY/AUTHOR (file number) | | | | | | | | | | | | | | | | | | | | |
| A | Union Miniere Expl. C.<br>Conwest Exploration C.L.<br>Canadian Nickel C.L.<br>(52 P/12 SE-0010) | | | | | | | | 71 | 71 | | | | | | | | | | |
| B | Union Miniere Expl. C.<br>(52 0/10 SE-0011) | 71 | | | | | | | 71 | 71 | | | | | | | | | | |
| F | C.C.Huston & Assoc. L.<br>(52 0/08 NW-0012) | | | | | | | | | | | 67 | 67 | | | | | | | |
| K | Union Miniere Expl. C.<br>(52 0/08 NW-0010-D1) | | | | 72 | | | | | | | | | | | | | | | |
| L | Conwest Expl. C.L.<br>(52 0/08 NW-0011-A1) | | | | 72 | | | | | | | | | | | | | | | |
| M | Union Miniere Expl. C.<br>(52 0/08 NW-0011-B1) | | | | 71 | | | | | | | | | | | | | | | |
| O | Union Miniere Expl. C.<br>(52 0/08 NW-0012) | | | | 71 | | | | | | | | | | | | | | | |
| U | Kapkichi Nickel Mines L.<br>(52 0/08 NW-0016-B1) | | | | 60 | 60 | | | | | | | | | | | | | | |

GDIF FORM NO. 2

KAPKICHI LAKE

| TYPE OF WORK | | Numbers below represent the year in which the work was done; eg. 68 for 1968 | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| EXPLORATION DATA filed at the RESIDENT GEOLOGIST'S OFFICE | | GEOLOGICAL | GEOCHEMICAL | TRENCHING, STRIPPING | DRILLING | ASSAY DATA | UNDERGROUND WORK | PROSPECTUS, NOTES, CORRESPONDENCE | AIRBORNE MAGNETOMETER | AIRBORNE ELECTROMAGNETIC | AIRBORNE RADIOMETRIC | GROUND MAGNETOMETER | GROUND ELECTROMAGNETIC | GROUND RADIOMETRIC | INDUCED POLARIZATON | SELF POTENTIAL | RESISTIVITY | | | |
| COMPANY/AUTHOR (file number) | | | | | | | | | | | | | | | | | | | | |
| X | Bayard Resources L. (52 0/08 NW-0018) | | | | 73 | | | | | | | | | | | | | | | |
| Y | James Bay Mining Corp. (52 0/08 NW-0019) | | | | | | | | | | | | 72 | | | | | | | |
| AB | Union Miniere Expl. C. (52 0/08 NW-0022) | | | | | | | | | | | 69 | 69 | | | | | | | |
| C | Umex Corporation L. Inco L. (52 0/09 SE-0035) | | | | 73 No Logs | | | | | | | | | | | | | | | |
| G | Bayard Resources L. Transterre Exploration L (52 0/08 SE-0014)[1] | | | | | | | 73 | | | | | | | | | | | | |
| W | Kapkichi Nickel Mines L. (52 0/08 NW-0016-A1) | | | | 58 | | | | | | | | | | | | | | | |
| Z | Transterre Exploration L (52 0/08 NW-0020) | 71 | | | | | | | | | | 71 | 71 | | | | | | | |
| AA | Central Patricia Gold Conwest Expl. C.L. (52 0/08 NW-0021) | | | | | | | | | | | 49 | | | | | | | | |

1 Undefined area

GDIF FORM NO.

| TYPE OF WORK | | Numbers below represent the year in which the work was done; eg. 68 for 1968 | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| EXPLORATION DATA filed at the RESIDENT GEOLOGIST'S OFFICE | COMPANY/AUTHOR (file number) | GEOLOGICAL | GEOCHEMICAL | TRENCHING, STRIPPING | DRILLING | ASSAY DATA | UNDERGROUND WORK | PROSPECTUS, NOTES, CORRESPONDENCE | AIRBORNE MAGNETOMETER | AIRBORNE ELECTROMAGNETIC | AIRBORNE RADIOMETRIC | GROUND MAGNETOMETER | GROUND ELECTROMAGNETIC | GROUND RADIOMETRIC | INDUCED POLARIZATON | SELF POTENTIAL | RESISTIVITY | | | |
| AC | Kapkichi Nickel Mines L. (52 0/08 NW-0023-A1) | | | | | | | | | | | 58 | 58 | | | | | | | |
| D | Conwest Expl. C.L. (52 0/09 SW-0012) | | | | | | | | 71 | 71 | | | | | | | | | | |
| E | Umex Corporation L. (52 0/09 SW-0013) | | | | | | | | | | | 71 | 71 | | | | | | | |
| H | Union Miniere Expl. C. (52 0/08 NW-0010-A1) | | | | 71 | | | | | | | | | | | | | | | |
| I | Union Miniere Expl. C. (52 0/08 NW-0010-B1) | | | | 75 | | | | | | | | | | | | | | | |
| J | Union Miniere Expl. C. (52 0/08 NW-0010-C1) | | | | 73 | | | | | | | | | | | | | | | |
| N | C.C. Huston & Assoc. L. (52 0/08 NW-0011-D1) | | | | 68 | 68 | | | | | | | | | | | | | | |
| Q | Union Miniere Expl. C. (52 0/08 NW-0014) | | | | 72 | | | | | | | | | | | | | | | |
| R | Union Miniere Expl. C. (52 0/08 NW-0015-A1) | | | | 72 | | | | | | | | | | | | | | | |

GOIF FORM NO. 1

KAPUSKASING LAKE

| TYPE OF WORK | | Numbers below represent the year in which the work was done; eg. 68 for 1968 | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| EXPLORATION DATA filed at the RESIDENT GEOLOGIST'S OFFICE | | GEOLOGICAL | GEOCHEMICAL | TRENCHING, STRIPPING | DRILLING | ASSAY DATA | UNDERGROUND WORK | PROSPECTUS, NOTES, CORRESPONDENCE | AIRBORNE MAGNETOMETER | AIRBORNE ELECTROMAGNETIC | AIRBORNE RADIOMETRIC | GROUND MAGNETOMETER | GROUND ELECTROMAGNETIC | GROUND RADIOMETRIC | INDUCED POLARIZATON | SELF POTENTIAL | RESISTIVITY | | | |
| COMPANY/AUTHOR (file number) | | | | | | | | | | | | | | | | | | | | |
| S | Union Miniere Expl. C. (52 0/08 NW-0015-B1) | | | | 75 | | | | | | | | | | | | | | | |
| T | Union Miniere Expl. C. (52 0/08 NW-0015-C1) | | | | 71 | | | | | | | | | | | | | | | |
| V | Central Patricia Gold Conwest Exploration C.L. (52 0/08 NW-0017) | | | | 50 | | | | | | | | | | | | | | | |
| AD | Transterre Exploration L. (52 0/08 NW-0013-C1) | 73 | | | | | | 73 | | | | 73 | 73 | | | | | | | |
| AE | Thomson, R. (52 0/09 SE-0016-A1) | 46 | | | 46 Re-port | 46 | | | | | | | | | | | | | | |

GDIP FORM NO.

7

## DRILLHOLE SUMMARY

| Map Drilling Location Number | Company Name | Company Drillhole Number | Date Drilled Completed | Bearing Azimuth Degrees | Initial Dip of Hole Degrees | Thickness of Overburden in feet | Total Length of Hole in feet | Mineralization Noted in Log | Assay Data Included for |
|---|---|---|---|---|---|---|---|---|---|
| 1 | Union Miniere Expl. C. | K-180 | Mar/72 | 180 | 45 | 16 | 434 | py,po,cp,mag | -- |
| 2 | | K-193 | Jun/72 | 180 | 45 | 6 | 263 | py,mag | -- |
| | | | END - | 52 0/08 | NW-0010-D1 | | | | |
| 3 | Conwest Expl. C.L. | 1014-72-4 | Mar/72 | 090 | 45 | 20 | 482 | py,po,mag,cp Cu | -- |
| | | | END - | 52 0/08 | NW-0011-A1 | | | | |
| 4 | Union Miniere Expl. C. | K-98 | Mar/71 | 090 | 45 | 14 | 367 | py,po,cp | -- |
| | | K-102 | Apr/71 | 090 | 75 | 12 | 635 | py,po,cp | -- |
| | | | END - | 52 0/08 | NW-0011-B1 | | | | |
| 6 | | K-8 | Feb/70 | Vertical | | 80 | 623 | mag,cp,po | -- |
| 7 | | K-62 | Jan/71 | Vertical | | 36 | 777 | po,cp,mag,py | -- |
| 8 | | K-65 | Jan/71 | Vertical | | 58 | 703 | mag,po,cp | -- |
| 9 | | K-9 | Feb/70 | Vertical | | 25 | 803 | py,po,cp,hem | -- |
| 10 | | K-10 | Mar/70 | Vertical | | 54 | 753 | cp,po,mag | -- |
| | | K-12 | May/70 | 090 | 45 | 80 | 851 | po,cp,mag,py | -- |
| 12 | | K-13 | Jun/70 | 000 | 45 | 89 | 550 | -- | -- |
| 13 | | K-14 | Apr/70 | Vertical | | 31 | 592 | cp,po,py | -- |

GDIF FORM NO. 3

## DRILLHOLE SUMMARY

| Map Drilling Location Number | Company Name | Company Drillhole Number | Date Drilled Completed | Bearing Azimuth Degrees | Initial Dip of Hole Degrees | Thickness of Overburden in feet | Total Length of Hole in feet | Mineralization Noted in Log | Assay Data Included for |
|---|---|---|---|---|---|---|---|---|---|
| 14 | Union Miniere Expl. C. | K-20 | Jul/70 | Vertical | | 56 | 703 | po,cp | -- |
| 15 | | K-22 | Jul/70 | Vertical | | 52 | 731 | py,mag | -- |
| 16 | | K-24 | Jul/70 | Vertical | | 38 | 685 | sulphides | -- |
| 17 | | K-26 | Aug/70 | Vertical | | 42 | 407 | sulphides | -- |
| 18 | | K-28 | Aug/70 | Vertical | | 56 | 400 | py,po,cp | -- |
| 19 | | K-30 | Aug/70 | Vertical | | 36 | 482 | mag,sulphides | -- |
| 20 | | K-33 | Aug/70 | Vertical | | 41 | 505 | cp,po,hem | -- |
| 21 | | K-34 | Sep/70 | Vertical | | 38 | 492 | po,cp | -- |
| 22 | | K-32 | Aug/70 | Vertical | | 42 | 456 | po,cp,mag | -- |
| 23 | | K-73 | Jan/71 | Vertical | | 40 | 500 | po,cp,mag, hem,py | -- |
| 24 | | K-36 | Sep/70 | Vertical | | 58 | 501 | -- | -- |
| 25 | | K-72 | Jan/71 | Vertical | | 80 | 771 | po,cp,mag | -- |
| 26 | | K-93 | Mar/73 | 270 | 60 | 107 | 609 | py,po,mag | -- |
| 27 | | K-86 | Feb/71 | Vertical | | 62 | 426 | -- | -- |
| | | | END - | 52 0/08 | NW-0012 | | | | |
| | Next on Microfiche Index is: | | Code P, | 52 0/08 | NW-0016-B1, Union Miniere | | | | |
| | which should read: | | Code U, | 52 0/08 | NW-0016, Kapkichi Nickel Mines Limited | | | | |

GDIF FORM NO. 3

## DRILLHOLE SUMMARY

| Map Drilling Location Number | Company Name | Company Drillhole Number | Date Drilled Completed | Bearing Azimuth Degrees | Initial Dip of Hole Degrees | Thickness of Overburden in feet | Total Length of Hole in feet | Mineralization Noted in Log | Assay Data Included for |
|---|---|---|---|---|---|---|---|---|---|
| 28 | Kapkichi Nickel M.L. | 1 | Sep/56 | 145 | 45 | 9 | 517 | cp,po,sul-phides | Au,Cu,Ni |
| 29 | | 2 | Sep/56 | 150 | 45 | 11 | 609.5 | cp,sulphides | Au,Cu,Ni, Zn |
| 30 | | 3 | Sep/56 | 150 | 45 | 6 | 550 | cp,sulphides | -- |
| 31 | | 4 | Sep/56 | 150 | 45 | 6 | 510 | sulphides | -- |
| 32 | | 3P | Sep/57 | 150 | 70 | 0 | 69 | sulphides | -- |
| 33 | | 4P | Sep/57 | 140 | 55 | 0 | 75.25 | sulphides | -- |
| 34 | | 5P | Sep/57 | 152 | 55 | 0 | 59.67 | sulphides | -- |
| 35 | | 6P | Sep/57 | 135 | 75 | 0 | 54.4 | sulphides | -- |
| 36 | | 7P | Sep/57 | 165 | 65 | 0 | 62.67 | sulphides | -- |
| 37 | | 8P | Sep/57 | 123 | 48 | 0 | 88.25 | sulphides | -- |
| 38 | | 1A | May/58 | 235 | 50 | 14 | 700 | py,po,cp, mag | Au,Cu,Ni |
| | | 1B | May/58 | 280 | 60 | 15 | 527 | py,po,mag | -- |
| 40 | | 2 | Jun/58 | 225 | 45 | 34 | 571 | py,po,cp,mag | -- |
| 41 | | 1C | Jun/60 | 190 | 60 | 0 | 175 | py,cp | -- |
| | | 2C | Jun/60 | 190 | 45 | 0 | 150 | py,cp | -- |
| 43 | | 3C | Jun/60 | 163 | 60 | 0 | 120 | py,po | -- |

GDIF FORM NO. 3

KAPKICHI LAKE

## DRILLHOLE SUMMARY

| Map Drilling Location Number | Company Name | Company Drillhole Number | Date Drilled Completed | Bearing Azimuth Degrees | Initial Dip of Hole Degrees | Thickness of Overburden in feet | Total Length of Hole in feet | Mineralization Noted in Log | Assay Data Included for |
|---|---|---|---|---|---|---|---|---|---|
| 44 | Kapkichi Nickel M.L. | 4C | Jun/60 | 200 | 60 | 0 | 72.5 | cp,po | -- |
| | | | END - 52 0/08 NW-0016-B1 | | | | | | |
| 45 | Bayard Resources L. | 73-4-1 | Oct/73 | 118 | 45 | 76 | 481 | py,po,cp,mag, mo | -- |
| 46 | | 73-4-2 | Oct/73 | 118 | 45 | 80 | 494.8 | py,po,mag,cp | -- |
| 47 | | 73-4-3 | Oct/73 | 118 | 45 | 126.5 | 507.8 | py,po,cp,mag | -- |
| 48 | | 73-4-5 | Nov/73 | 118 | 45 | 50.6 | 401.8 | py,po,cp,mag | -- |
| 49 | | 73-4-6 | Nov/73 | 118 | 45 | 48 | 501 | py,po,cp | -- |
| 50 | | 73-4-7 | Nov/73 | 118 | 45 | 70 | 500 | py,po,cp | -- |
| | | | END - 52 0/08 NW-0018 | | | | | | |
| 51 | Kapkichi Nickel M.L. | 1P | Sep/57 | 290 | 48 | 0 | 83 | py,po,cp | -- |
| 52 | | 2 | Sep/57 | 314 | 60 | 0 | 79.5 | py,po,cp | -- |
| 53 | | 3 | Jun/58 | 240 | 45 | 31 | 602 | py,po,cp,mag | -- |
| | | | END-52 0/08 NW-0016-A1 | | | | | | |
| 54 | Union Miniere Expl. C. | K-96 | Mar/71 | 130 | N/A | 52 | 378 | py,po,cp,mag | -- |
| | | | END-52 0/08 NW-0010-A1 | | | | | | |
| 55 | | K-319 | Apr/75 | 180 | 45 | 4 | 499 | py,po | -- |
| 56 | | K-320 | Apr/75 | 180 | 45 | 32 | 320 | py,po,cp | -- |

GDIF FORM NO. 3

## DRILLHOLE SUMMARY

| Map Drilling Location Number | Company Name | Company Drillhole Number | Date Drilled Completed | Bearing Azimuth Degrees | Initial Dip of Hole Degrees | Thickness of Overburden in feet | Total Length of Hole in feet | Mineralization Noted in Log | Assay Data Included for |
|---|---|---|---|---|---|---|---|---|---|
| 57 | Union Miniere Expl. C. | K-322 | Apr/75 | 180 | 45 | 36 | 460 | py | -- |
| 58 | | K-321 | Apr/75 | 180 | 45 | 10 | 500 | py | -- |
| | | | END - 52 0/08 NW-0010-B1 | | | | | | |
| 59 | | K-230 | Mar/73 | Vertical | | 28 | 500 | py,cp,mag | -- |
| | | | END - 52 0/08 NW-0010-C1 | | | | | | |
| 60 | C.C. Huston & Assoc. L. | 2-1 | Feb/68 | 147 | 45 | 14 | 200 | py,po,cp | Ni,Au,Ag |
| 61 | | 2-2 | Mar/68 | 160 | 45 | 30 | 204 | py,po,mag | Ni,Au,Ag |
| | | | END - 52 0/08 NW-0011-D1 | | | | | | |
| 62 | Union Miniere Expl. C. | K-5 | Jan/70 | 180 | 45 | 20 | 456 | py,po | -- |
| 63 | | K-7 | Feb/70 | 270 | 45 | 27 | 496 | py,po,Cu | -- |
| 64 | | K-23 | Jul/70 | Vertical | | 12 | 784 | -- | -- |
| 65 | | K-25 | Aug/70 | Vertical | | 12 | 711 | py | -- |
| 66 | | K-100 | Apr/71 | 180 | 45 | 24 | 449 | py,po,cp,mag | -- |
| 67 | | K-221 | Oct/72 | 180 | 45 | 27 | 351 | py,po | -- |
| 68 | | K-222 | Oct/72 | 180 | 45 | 12 | 352 | py,po | -- |
| 69 | | K-223 | Oct/72 | 180 | 45 | 13 | 353 | py,po | -- |
| 70 | | K-224 | Oct/72 | 270 | 45 | 9 | 399 | py,po | -- |

GDIF FORM NO. 3

## DRILLHOLE SUMMARY

| Map Drilling Location Number | Company Name | Company Drillhole Number | Date Drilled Completed | Bearing Azimuth Degrees | Initial Dip of Hole Degrees | Thickness of Overburden in feet | Total Length of Hole in feet | Mineralization Noted in Log | Assay Data Included for |
|---|---|---|---|---|---|---|---|---|---|
| 71 | Union Miniere Expl. C. | K-225 | Oct/72 | 180 | 45 | 20 | 351 | py,mag | -- |
| 72 | | K-226 | Nov/72 | 180 | 45 | 36 | 352 | py | -- |
| | | | END- 52 | 0/08 NW-0014 | | | | | |
| 73 | | K-181 | Mar/72 | 150 | 45 | 75 | 590 | py,po,mag | -- |
| | | | END- 52 | 0/08 NW-0015-A1 | | | | | |
| 74 | | K-323 | Apr/75 | 90 | 45 | 31 | 491 | py,mag | -- |
| 75 | | K-324 | Apr/75 | 105 | 45 | 10 | 460 | py,po,cp,mag | -- |
| 76 | | K-325 | Apr/75 | 130 | 45 | 11.5 | 492 | py | -- |
| 77 | | K-326 | Apr/75 | 90 | 45 | 14 | 199 | mag,sulphides | -- |
| 78 | | K-327 | Apr/75 | 90 | 45 | 13 | 359 | mag,sulphides | -- |
| | | | END - 52 | 0/08 NW-0015-B1 | | | | | |
| 79 | | K-88 | Mar/71 | 045 | 50 | 96 | 476 | py,po,cp,mag | -- |
| 80 | | K-229 | Feb/73 | Vertical | | 66 | 308 | mag,cp,py,po | -- |
| 81 | | K-92 | Feb/71 | 130 | 45 | 14 | 382 | py,po,cp,mag | -- |
| | | | END - 52 | 0/08 NW-0015-C1 | | | | | |
| 82 | Umex Corporation L.<br>Inco L. | C-18 | No Drill Logs | -- | -- | -- | 118 | py,po | -- |
| | | | END - 52 | 0/09 SE-0035 | | | | | |

GDIF FORM NO. 3

## DRILLHOLE SUMMARY

| Map Drilling Location Number | Company Name | Company Drillhole Number | Date Drilled | Bearing Azimuth | Initial Dip of Hole | Thickness of Overburden | Total Length of Hole | Mineralization Noted in Log | Assay Data Included for |
|---|---|---|---|---|---|---|---|---|---|
| | | | Completed | Degrees | Degrees | Feet | Feet | | |
| 83 | Umex Corporation L. | K-38 | 1970 | 180 | 45 | 10 | 547 | po,cp | -- |
| | | K-57 | 1970 | Vertical | | 5 | 549 | po,cp,mag | -- |
| 84 | | K-39 | 1970 | 180 | 45 | 18 | 491 | po,cp,mag | -- |
| | | K-54 | 1970 | Vertical | | 4 | 387 | po,cp | -- |
| 85 | | K-47 | 1970 | 180 | 45 | 32 | 352 | po,cp | -- |
| | | K-49 | 1970 | Vertical | | 27 | 499 | po,cp,mag | -- |
| 89 | | K-59 | 1970 | 180 | 45 | 14 | 394 | po,cp | -- |
| 90 | | K-42 | 1970 | 180 | 45 | 8 | 337 | po,cp | -- |
| | | K-50 | 1970 | Vertical | | 4 | 506 | po,cp | -- |
| 91 | | K-45 | 1970 | 180 | 45 | 19 | 455 | po,cp | -- |
| | | K-46 | 1970 | Vertical | | 12 | 425 | po,cp,mag | -- |
| 94 | | K-52 | 1970 | 180 | 45 | 12 | 554 | po,cp,mag | -- |
| 95 | | K-58 | 1970 | Vertical | | 12 | 702 | po,cp | -- |
| 96 | | K-74 | 1971 | 180 | 60 | 16 | 512 | py,po,cp | -- |
| 97 | | K-75 | 1971 | 180 | 60 | 22 | 1236 | po,cp | -- |
| 98 | | K-84 | 1971 | 180 | 70 | 20 | 1507 | py,cp | -- |
| 99 | | K-110 | 1971 | 180 | 70 | 34 | 1311 | py,po,cp | -- |

GDIF FORM NO. 3

## DRILLHOLE SUMMARY

| Map Drilling Location Number | Company Name | Company Drillhole Number | Date Drilled Completed | Bearing Azimuth Degrees | Initial Dip of Hole Degrees | Thickness of Overburden in feet | Total Length of Hole in feet | Mineralization Noted in Log | Assay Data Included for |
|---|---|---|---|---|---|---|---|---|---|
| 100 | Umex Corporation L. | K-140 | Jul/71 | 180 | 50 | 20 | 131 | hem,po,cp | -- |
| 101 | | K-143 | Aug/71 | 180 | 50 | 30 | 126 | po,cp | -- |
| 102 | | K-145 | Aug/71 | 180 | 50 | 25 | 113 | -- | -- |
| 103 | | K-170 | Nov/71 | 180 | 45 | 20 | 118 | py,cp,mag,po | -- |
| 104 | | K-194 | June/72 | 145 | 50 | 24 | 174 | cp | -- |
| 105 | | K-195 | June/72 | 145 | 45 | 16 | 151 | cp | -- |
| 106 | | K-205 | Jul/72 | Vertical | | 12 | 604 | py,po,cp | -- |
| 107 | | K-207 | Jul/72 | 145 | 45 | 22 | 150 | -- | -- |
| 108 | | K-209 | Jul/72 | 145 | 45 | 16 | 150 | -- | -- |
| 109 | | K-212 | Aug/72 | 145 | 50 | 11 | 365 | cp,mag | -- |
| 110 | | K-213 | Aug/72 | 145 | 50 | 6 | 530 | py,po,cp | -- |
| 111 | | K-185 | Mar/72 | 150 | 60 | 75 | 651 | py,po,cp | -- |
| 112 | | K-188 | Mar/72 | 160 | 50 | 80 | 351 | py,po | -- |
| 113 | | K-186 | Mar/72 | 160 | 50 | 75 | 350 | py,po | -- |
| 114 | | K-218 | Sep/72 | Vertical | | 18 | 1124 | po,cp | -- |
| 115 | | 187A | Apr/72 | Vertical | | 10 | 2002 | po,cp | -- |
| | | 187B | Apr/72 | Vertical | | N/A | extension of 187A | -- | -- |

GDIF FORM NO. 3

# DRILLHOLE SUMMARY

| Map Drilling Location Number | Company Name | Company Drillhole Number | Date Drilled Completed | Bearing Azimuth Degrees | Initial Dip of Hole Degrees | Thickness of Overburden in feet | Total Length of Hole in feet | Mineralization Noted in Log | Assay Data Included for |
|---|---|---|---|---|---|---|---|---|---|
| | Umex Corporation L. | 187C | Apr/72 | Vertical | | N/A | extension of 187B | py,po | -- |
| 116 | Central Patricia Mines Conwest Exploration C. | 11 | Mar/49 | 270 | 50 | 29 | 394 | -- | -- |
| | | 12 | Mar/49 | 225 | 57 | 98.2 | 501 | Location Not | |
| 118 | | 13 | Mar/49 | 180 | 50 | 40 | 591 | Determined | |
| 119 | | 14 | Mar/49 | 235 | 50 | 88 | 418 | Exactly | |
| 120 | | 15 | Mar/49 | 166.5 | 45 | 11 | 360 | | |
| 121 | | 16 | Mar/50 | 152 | 45 | 53.5 | 605 | -- | -- |
| 122 | | 17 | Mar/50 | 180 | 45 | 35 | 595 | -- | -- |
| 123 | | 18 | Mar/50 | 292 | 45 | 41 | 320 | Location Not Determined Exactly | |

END - 52 0/08 NW-0017

There is a group of nine diamond drill holes shown on Map P-1979, but not found on File or in Microfiche, Sioux Lookout Resident Geologist's Office.

GDIF FORM NO. 3

## AIRBORNE GEOPHYSICAL SURVEY DATA

| No. | By / For | Type of Survey | Flight Altitude | Flight Line Direction | Flight Line Spacing |
|---|---|---|---|---|---|
| Whole Area | Spartan Air Services Limited<br>O.D.M.- G.S.C. | Airborne Magnetometer Survey<br>Map 923G, 1"= 1 mile, Ochig Lake | 500' | N-S | 1/2 mile |
| Whole Area | Spartan Air Services Limited<br>O.D.M.-G.S.C. | Airborne Magnetometer Survey<br>Map 7010G, 1"= 4 miles, Lake St. Joseph | 500' | N-S | 1/2 mile |
| 1 | Spartan Aero. Limited<br>Umex (1971) | Airborne<br>Magnetic and Electromagnetic | 150' | N41°W<br>(319) | 1/4 mile |
| 2 | Spartan Aero. Limited<br>Umex (1971) | Airborne Magnetic and Electromagnetic | 150' | N30°E<br>(030)<br>N40°W<br>(320) | 1/4 mile |
| 3 | Questor Surveys Limited<br>Conwest Exploration Co. Limited<br>(1971) | Airborne Magnetiometer & Electromagnetic | 400'<br>(EM Bird at 150') | Various | 1/8 mile |

GDIF FORM NO. 4

18 KAPKICHI LAKE

| Map Sample Site Reference Number | GEOCHEMICAL SURVEY DATA | | By | Reference |
|---|---|---|---|---|
| | Type of Survey | Analysis For | | |
| | NO DATA DEC./84 | | | |

GDIF FORM NO. 5

KAPKICHI LAKE

# MISCELLANEOUS DATA

## AGE DATING

| Site | Method | Material | Reference | Result |
|---|---|---|---|---|
| | NO DATA DEC./84 | | | |

GDIF FORM NO.6

# NEWSPAPER CLIPPINGS FILE

NOTE: A file of newspaper clippings about the companies listed below, who have worked in this area, is maintained in the Regional/Resident Geologist's Office. SIOUX LOOKOUT

| | |
|---|---|
| Bayard, Transterre-Bayard | p. 1,2 |
| Dora Exploration | p. 3,6 |
| Central Patricia Gold Mining | p. 26 |
| Highland Crow - Pickle Lake | p. 24,25 |
| Highland Crow - Gallant | p. 4,15 |
| Moss resources | p. 40-42, 45,47 |
| Norpex Nickle | p. 25 |
| Pickle Crow Gold Mining | p. 10, 11 |
| Shadowfax - Van Horne - Golden Shadow | p. 44, 50 |
| Umex (Union Miniere) | p. 1-8, 10 |

# ODM GENERAL INDEX SEARCH

**Words searched:** Kapichegimaga Lake, Kapkichi Lake, Ponsford Tp., Ochig Lake

| Index Volume | Listing: | Report Volume | Part | Page |
|---|---|---|---|---|
| III | Kapkichegimaga Lake, West of Pickle Lake | XXXIX | II | 11, 12, 13 |
| | | XXXIX | II | facing 6 |
| | Map 42e | XLII | VI | |
| III | Ponsford Twp., Patricia Mining Properties Sketch Map | XLVII | III | 16 |
| VI | Kapkichi Nickel Mines Limited - Incorporated | LXVI | I | 35 |
| VII | Kapkichi Lake Property, Kapkichi Lake | MRC 1 1954 | | 23 |
| | Kapkichi Nickel Mines Ltd. | MRC 2 1957 | | 39 |
| VIII | Kapkichi Lake, Pickle Lake Area, Kenora-Patricia District | MP 46 | | 9 |
| | | MP 47 | | 28 |
| | | MP 50 | | 83 |
| | | MP 53 | | 31 |
| VIII | Kapkichi Lake Prospect - Mining Property, Report On | MRC 12 | | 177 |

GDIF FORM NO. 8

## SELECTED REFERENCES

| Author | Date | Title | Reference | Map Scales and/or Report Pages |
|---|---|---|---|---|
| | | Geological Reports and Maps | | |
| Hurst, M. E. | 1931 | Pickle Lake - Crow River Area, Patricia, Kenora District, Ontario | O.D.M., Annual Report Vol. 39, Pt.2 | Map 39A 1"= 1 mile p.1-35 |
| Dyer, W. S. | 1934 | Geology of Pashkokogan-Misehkow Area, Thunder Bay District, Ontario | O.D.M. Annual Report Vol. 42, Pt.6 | Map 42e 1"= 4 miles p.1-20 |
| Sage, R. P. Breaks, F. W. | 1976 | Operation Pickle Lake, N.T.S. 52/0 & P, 53/A & B, Patricia, Kenora and Thunder Bay Districts, Ontario | O.D.M. Open File Report 5180 | 7 maps 1"= 1 mile |
| Neilson, J. N. Brae, R. C. E. | 1981 | Feasibility of Small Scale Gold Mining in Northwestern Ontario Two Volumes | O.G.S. Open File Report 5332 | |
| Vos, M. A., et al | 1983 | Industrial Minerals of Nothern Ontario, Pt.1 & 2 | O.G.S. Open File Report 5386 | |
| Vos, M. A., et al | 1982 | Industrial Minerals of Northern Ontario, Supplement 1 | O.G.S. Open File Report 5388 | |
| Sage, R. P. Breaks, F. W. | 1982 | Geology of the Cat Lake-Pickle Lake Area, Patricia, Kenora and Thunder Bay Districts, Ontario | Report 207 | Map 2218 1"= 4 miles |
| Emslie, R. F. Holman, R. H. C. | 1966 | The Copper Content of Canadian Shield Rocks, Red Lake-Landsdowne House Area, Northwestern Ontario | G.S.C. Bulletin 130 | |
| Milne, V. G. Hewitt, D. F. (editors) | 1972 | Summary of Field Work, 1972, by the Geological Branch, O.D.M. | O.D.M. Miscellaneous Paper 53 | p.23-37 |
| Shklanka, R. (editor) | 1969 | Copper, Nickel, Lead and Zinc Deposits | O.D.M. Mineral Resources Circular #12 | p.177 |

## SELECTED REFERENCES

| Author | Date | Title | Reference | Map Scales and/or Report Pages |
|---|---|---|---|---|
| Davies, J. C. | 1968 | Annual Report of Resident Geologists Section, Geological Branch, 1967, Part 1, Kenora District | O.D.M. Miscellaneous Paper 16 | p.1-20 |
| King, H. L. | 1969 | Annual Report of Resident Geologists Section, Geological Branch, 1968, Part 1, Kenora District | O.D.M. Miscellaneous Paper 23 | p.17-31 |
| King, H. L. | 1970 | Annual Report of Resident Geologists Section, Geological Branch, 1969, Part 1, Kenora District | O.D.M. Miscellaneous Paper 33 | p.27-48 |
| Guillet, G. R. (editor) | 1971 | Annual Report of Resident Geologists Section, Geological Branch, 1970 | O.D.M. & N.A. Miscellaneous Paper 46 | p.1-23 |
| Gibson, S. J. (editor) | 1972 | Annual Report of Resident Geologist Section, Geological Branch, 1971 | O.D.M. Miscellaneous Paper 50 | p.1-36 |
| Pye, E. G. (editor) | 1973 | Annual Report of Resident Geologists Section, Geological Branch, 1972 | O.D.M. Miscellaneous Paper 54 | p.1-28 |
| Kustra, C. R. (editor) | 1957 | Annual Report of Resident Geologists Section, Geological Branch, 1973 | O.D.M. Miscellaneous Paper 57 | p.1-24 |
| Pye, E. G. (editor) | 1975 | Annual Report of the Regional and Resident Geologists, 1974 | O.D.M. Miscellaneous Paper 60 | p.43-58 |



GDIF FORM NO. 1

## SELECTED REFERENCES

| Author | Date | Title | Reference | Map Scales and/or Report Pages |
|---|---|---|---|---|
| Kustra, C. R. (editor) | 1976 | Annual Report of the Regional and Resident Geologists, 1975. | O.D.M. Miscellaneous Paper 64 | p.29-38 |
| Kustra, C. R. (editor) | 1977 | Annual Report of the Regional and Resident Geologists, 1976. | O.G.S. Miscellaneous Paper 71 | p.29-37 |
| Kustra, C. R. (editor) | 1978 | Annual Report of the Regional and Resident Geologists, 1977. | O.G.S. Miscellaneous Paper 78 | p.28-36 |
| Kustra, C. R. (editor) | 1979 | Annual Report of the Regional and Resident Geologists, 1978. | O.G.S. Miscellaneous Paper 84 | p.24-35 |
| Kustra, C. R. (editor) | 1979 | Annual Report of the Regional and Resident Geologists, 1979. | O.G.S. Miscellaneous Paper 91 | p.23-37 |
| Kustra, C. R. (editor) | 1981 | Annual Report of the Regional and Resident Geologists, 1980. | O.G.S Miscellaneous Paper 95 | p.30-42 |
| Kustra, C. R. (editor) | 1982 | Annual Report of the Regional and Resident Geologists, 1981. | O.G.S. Miscellaneous Paper 101 | p.27-38 |
| Kustra, C. R. (editor) | 1983 | Report of Activities, Regional and Resident Geologists, 1982. | O.G.S. Miscellaneous Paper 107 | p.31-46 |
| Riley, R. A., et al. | 1973 | Summary, Air Geophysical Data for Northwestern Ontario | O.D.M. Map P-845 GEOPH | 1" = 16 miles |

GDIF FORM NO. 1

## SELECTED REFERENCES

| Author | Date | Title | Reference | Map Scales and/or Report Pages |
|---|---|---|---|---|
| O.D.M. & G.S.C. | 1965 | Red Lake Area, Ontario, 1956-1960, Aeromagnetic Survey Composite Map. | O.D.M. Map P-280 GEOPH | 1" = 16 miles |
| Sage, R. P., et al. | 1973 | Operation Pickle Lake - Achapi Lake - Misehkow River, Ontario | O.D.M. Map P-809 PRECAM | 1" = 2 miles |
| Robertson, J. A., et al. | 1976 | Mineral Potential Map of Ontario, West Central Sheet | O.D.M. Map P-1098 MINDEP | 1:101,376 |
| Gorden, J. B. | 1977 | Gold Deposits of Ontario, West Central Sheet | O.G.S. Map P-1227 MINDEP | 1:101,376 |
| Sage, R. P., et al. | 1976 | Cat Lake-Pickle Lake, Geological Compilation Series | O.D.M. Color Map 2218 | 1:253,440 |
| G.S.C. - O.G.S. | 1979 | Airborne Gamma Ray Maps | GEOPH, GEOCHEM Maps 80-137 to 80-171 | 1:250,000 |
| Palonen, P. A.<br>Speed, A. A. | 1979 | Kapkichi Lake Area, Sioux Lookout Data Series | O.G.S. Map P-1979 Data Series | 1:15,840 |
| O.D.M.N.A. | 1984 | Kapkichi Lake, District of Kenora Claims Map | O.D.M.N.A. Plan M-2246 | 1" = 40 chains |
| Springer, J. S.<br>Robertson, J. A.<br>Vos, M. A. | 1982 | Mineral Potential Map of Ontario, West Central Sheet | O.D.M. Open File Report 5326 | 1" = 16 miles |
| Springer, J. S. | 1978 | Ontario Mineral Potential, Lake St. Joseph, NTS 52/0 Patricia, Kenora and Thunder Bay Districts | P-1542 | 1:250,000 |

GDIF FORM NO. 4

## SELECTED REFERENCES

| Author | Date | Title | Reference | Map Scales and/or Report Pages |
|---|---|---|---|---|
| | | THESES | | |
| Patterson, G. C. | | The Geology of the Kapkichi Lake Ultramafic Mafic Bodies and Related Cu-Ni Mineralization, Pickle Lake, Ontario , 1980. | Unpublished Thesis | |

GDIF FORM

KAPKICHI LAKE

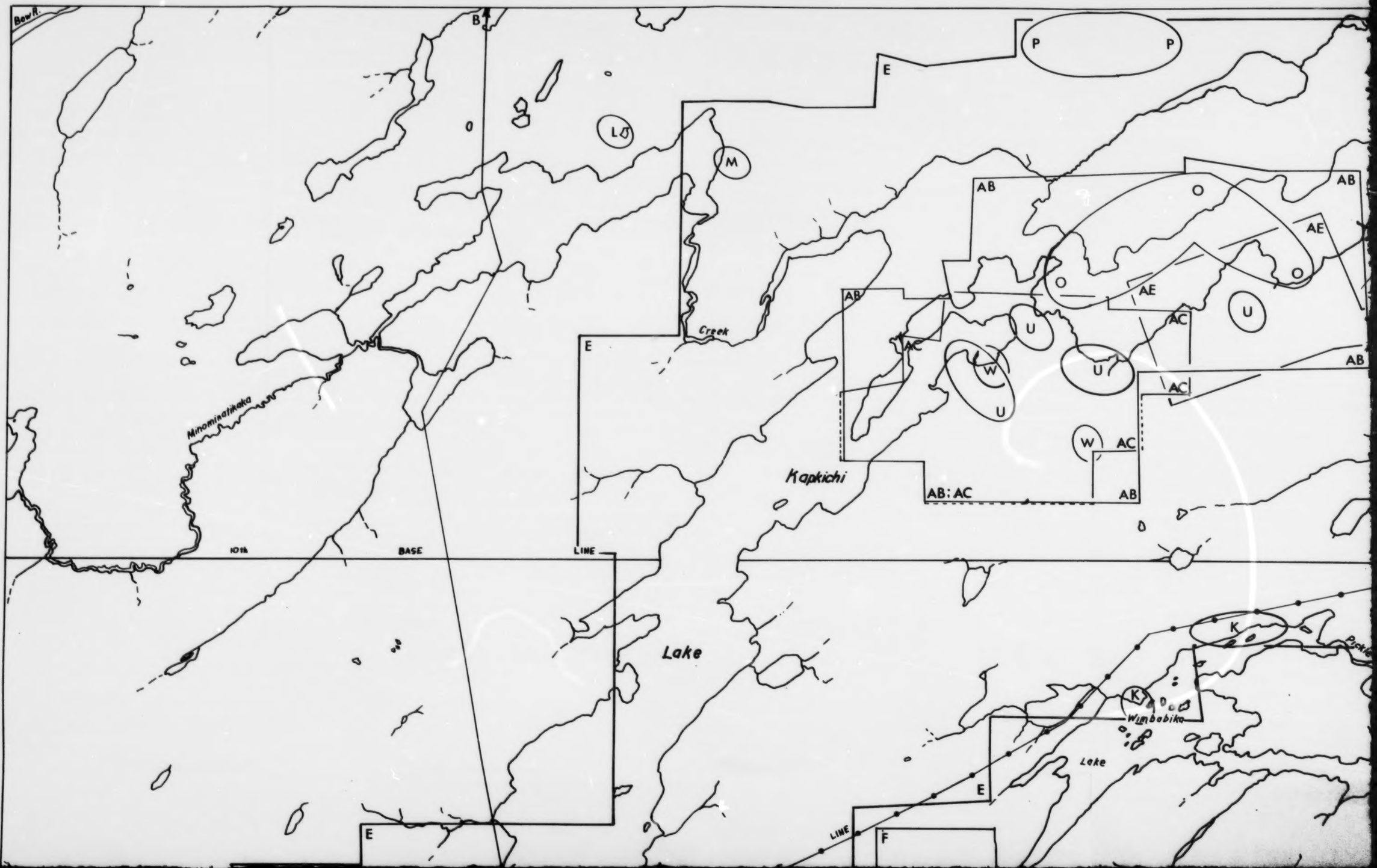
## SELECTED REFERENCES

| Author | Date | Title | Reference | Map Scales and/or Report Pages |
|---|---|---|---|---|
| | | | | |

GDIF FORM NO.3

# NOTES AND ADDENDA

Kapkichi Lake was also known as Kapkichegimaga Lake as shown on Map 42e.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Ontario

Ministry of Northern Dev and Mines

ONTARIO GEOLOGICAL S

PROPERTY LOCATIO

GEOLOGICAL DATA INVENTO

(Map 1 of 3)

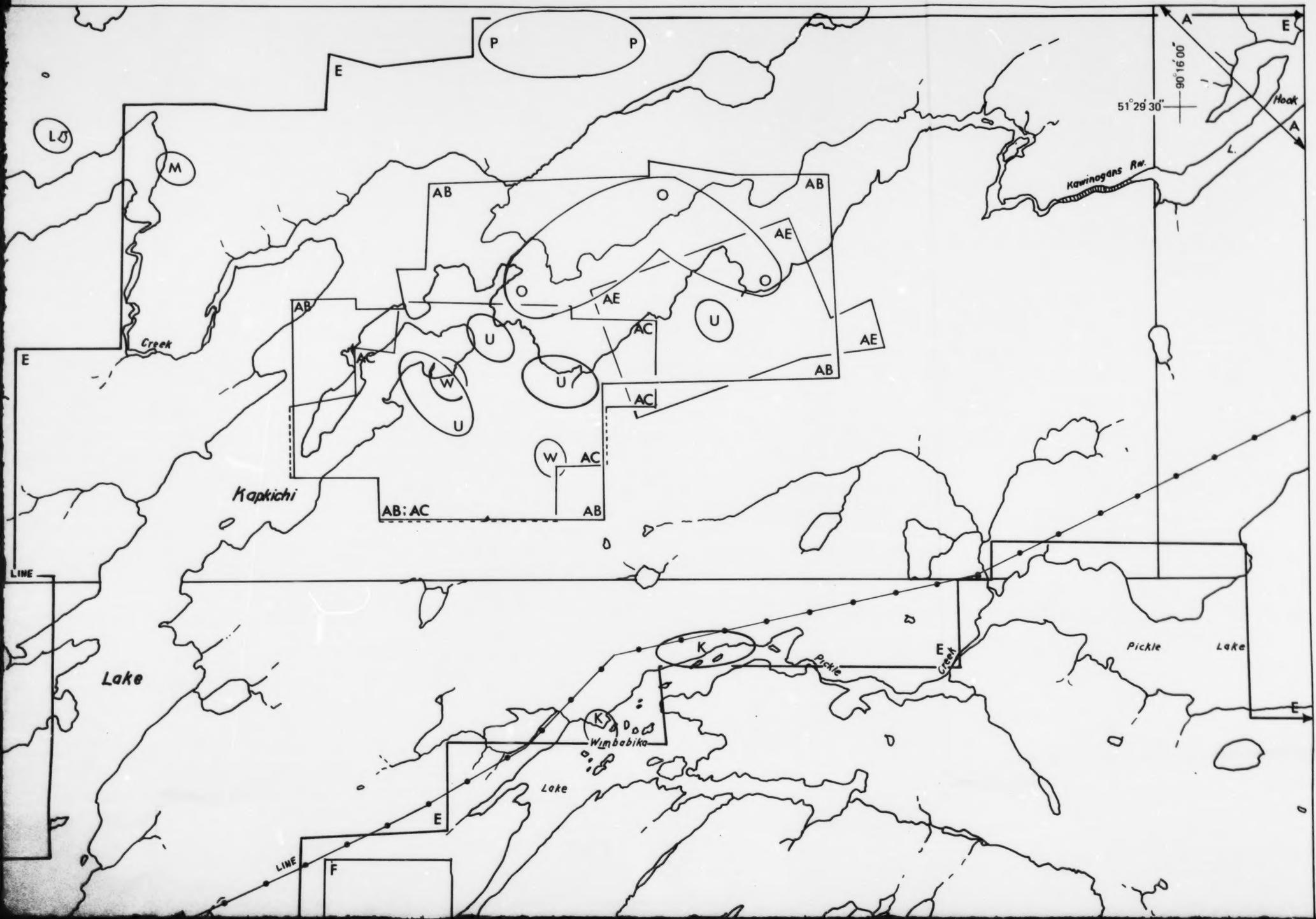
# KAPKICHI LAK

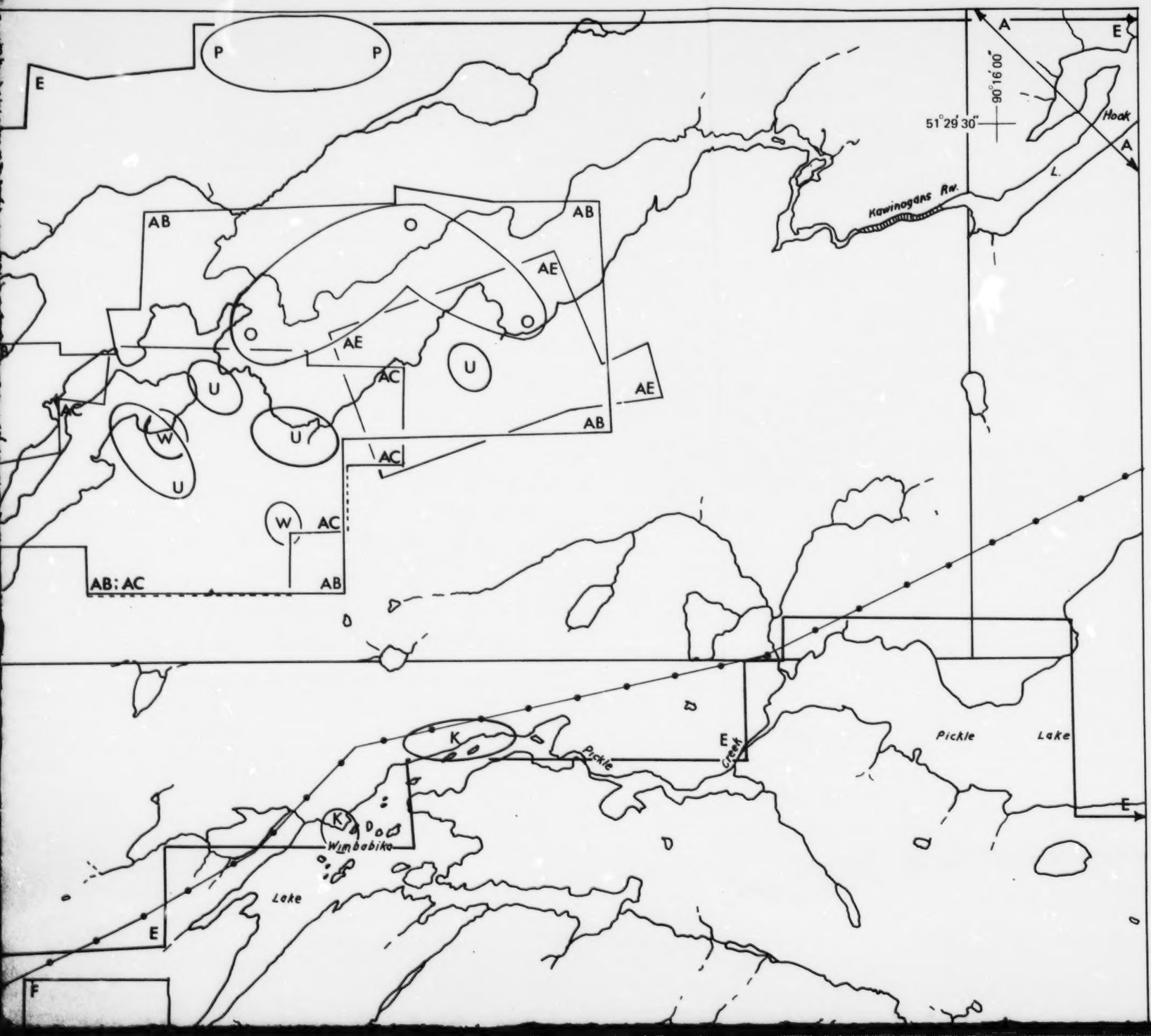
DISTRICT OF KENO
(PATRICIA PORTIO

Scale 1:31 680

Kilometre 0.5 0 0.5

Mile 0.5 0 0.5






Ministry of Northern Development and Mines

Ontario

ONTARIO GEOLOGICAL SURVEY

PROPERTY LOCATION MAP

GEOLOGICAL DATA INVENTORY FOLIO 277

(Map 1 of 3)

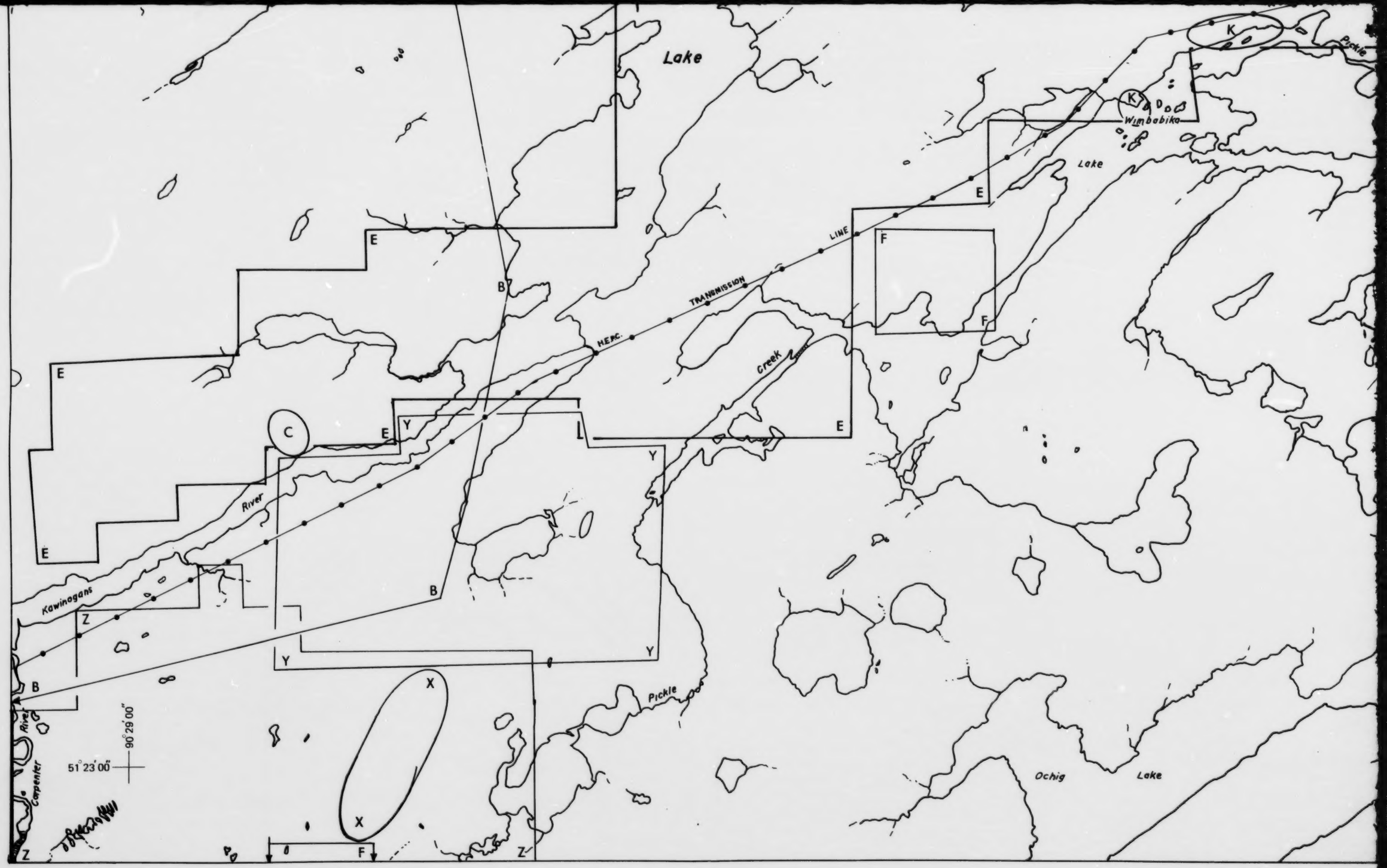
# KAPKICHI LAKE AREA

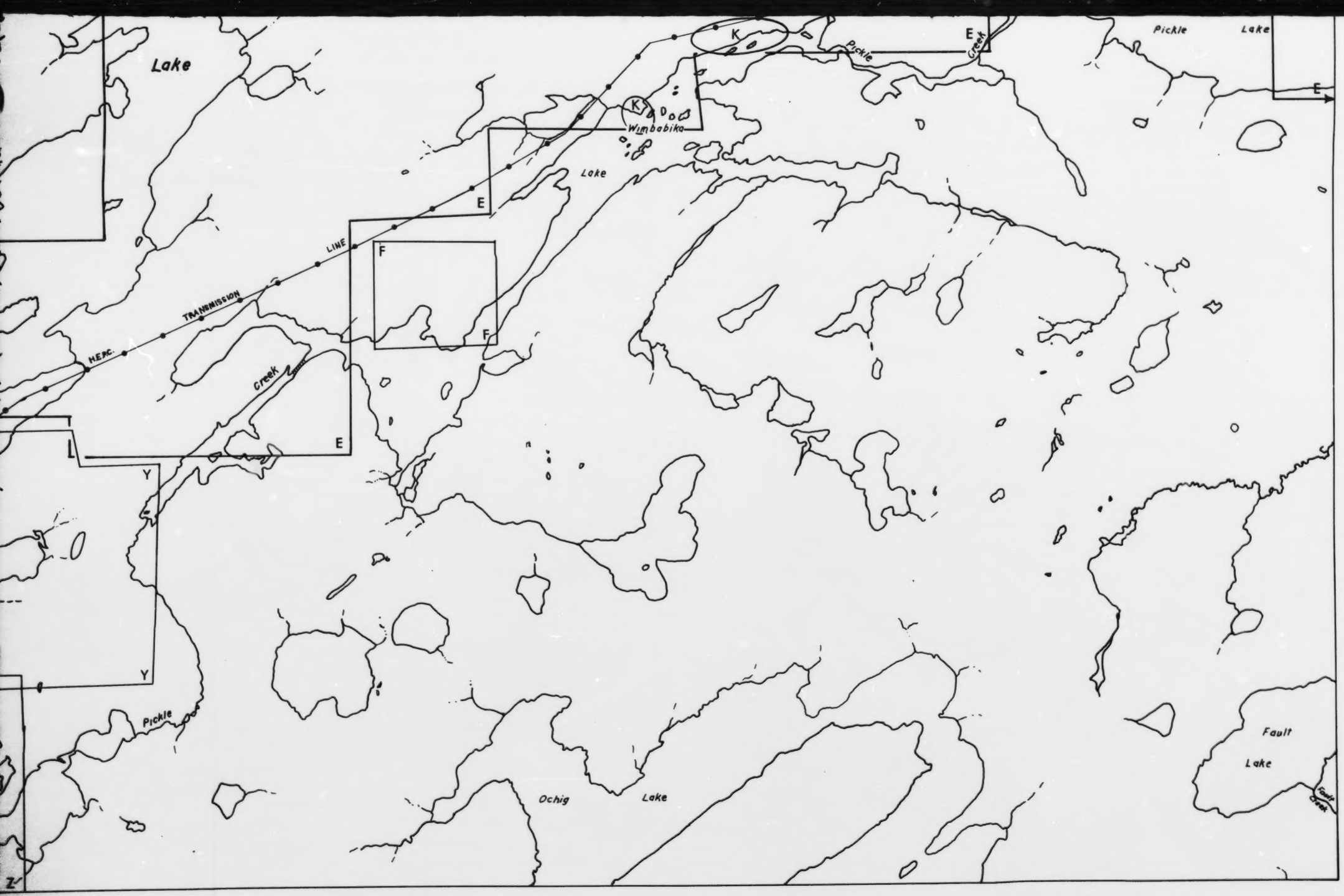
DISTRICT OF KENORA
(PATRICIA PORTION)

Scale 1:31 680

Kilometre 0.5 0 0.5 1 Kilometre

Mile 0.5 0 0.5 1 Mile

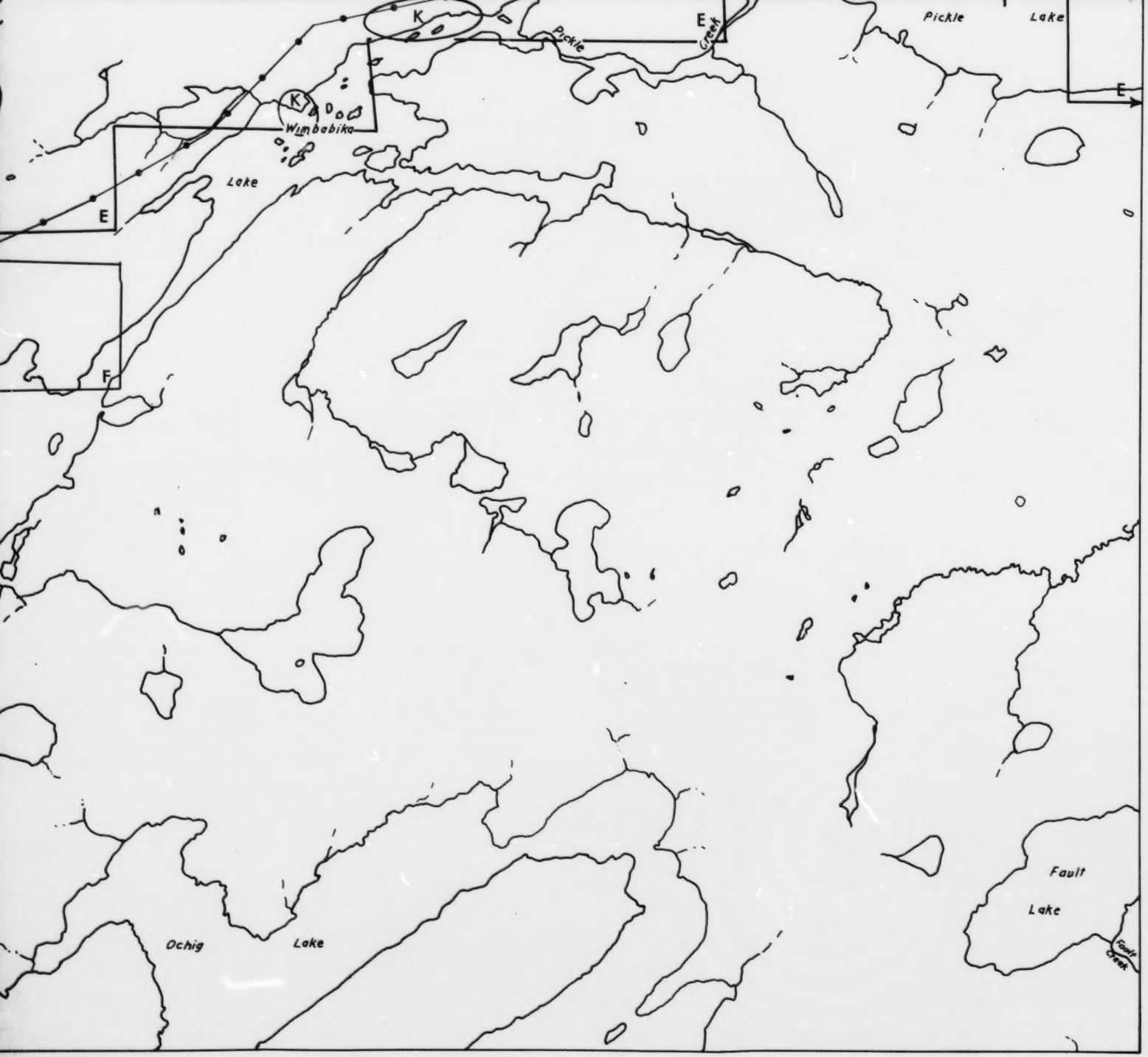

Lake
E
B
TRANSMISSION
LINE
HEPC.
F
Creek
E
Y
C
L
Y
River
E
Kawinagans
Z
B
Y
Y
X
Pickle
90°29'00"
51°23'00"
River
Carpenter
X
Z
F
Z
K
K
Wimbabika
Lake
Pickle
Ochig
Lake




EXPLORAT

■ Ⓐ Ⓑ Reference lette
See listings in t

■ x Ⓐ Small area exp




## EXPLORATION DATA FILE AREAS

■ Ⓐ Ⓑ Reference letters are always inside work area outlined. See listings in text pages.

■ x Ⓐ Small area exploration.

Bow R.

Minaminatikaka

Creek

Kapkichi

Lake

Wimbabika

Lake

Pickle

10th BASE LINE

LINE

S

I

T

H

J

R

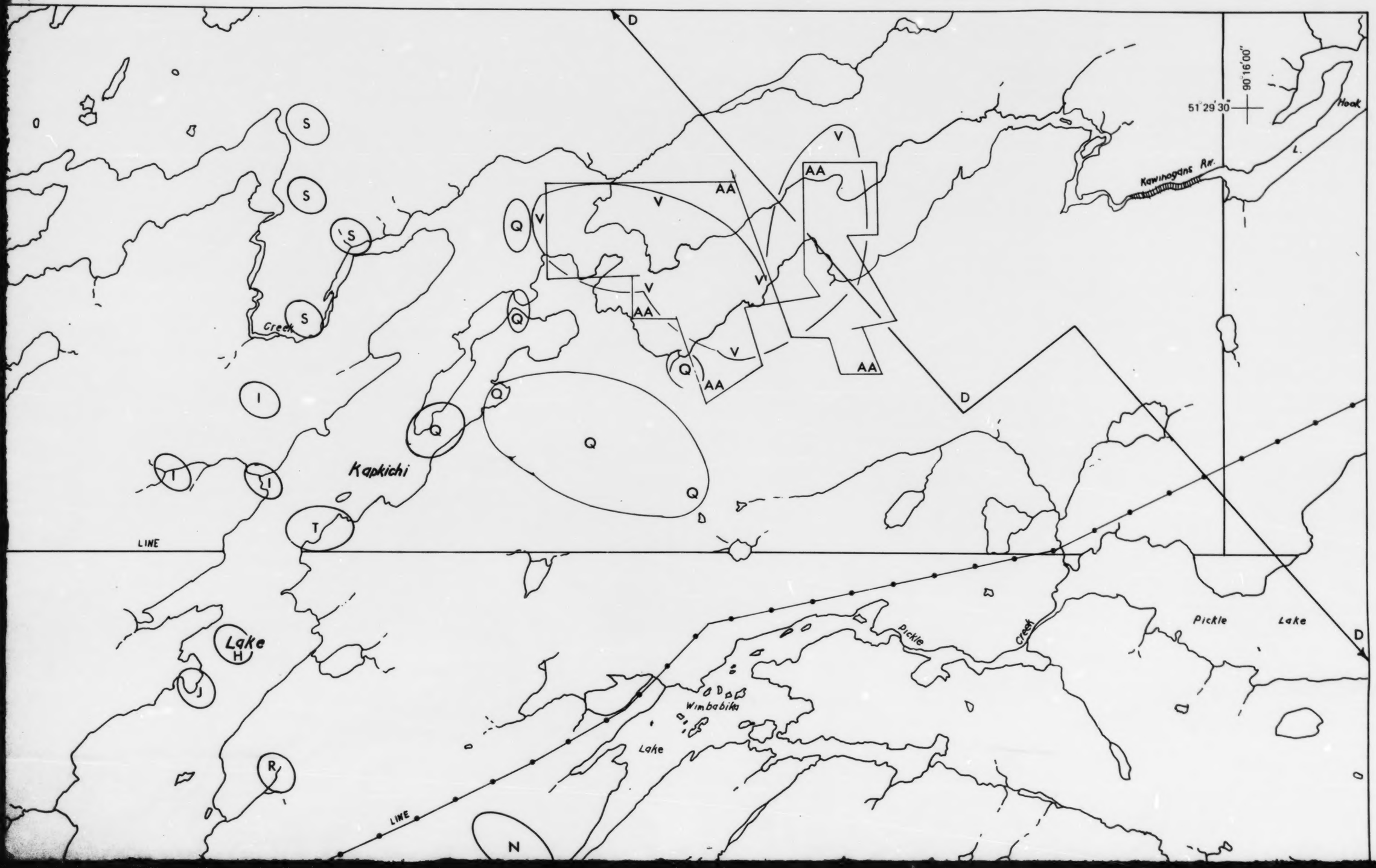
N

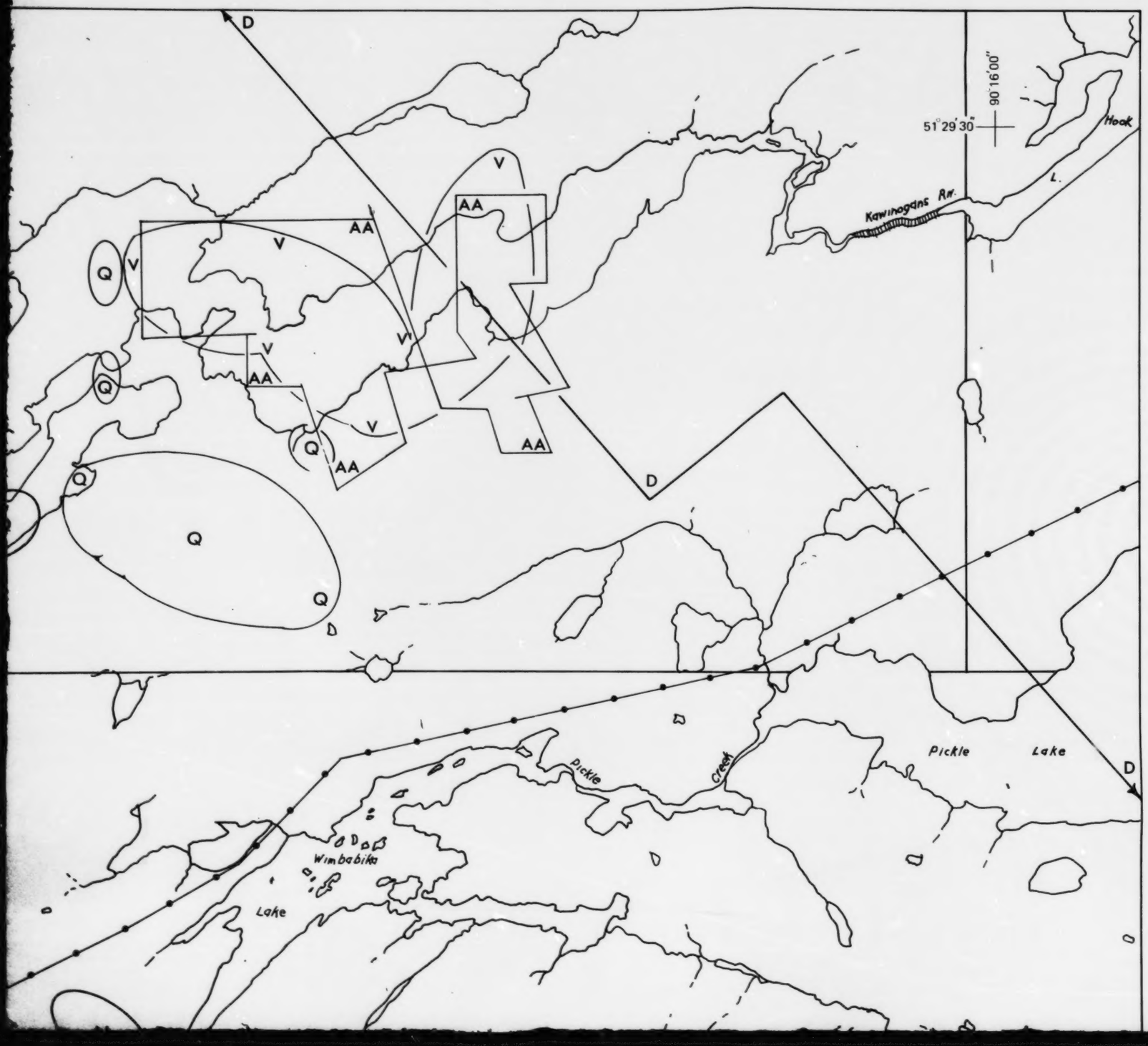
D

Q

V

AA


D
V
AA
Q
S
I
T
LINE
Kapkichi
Creek
Lake
H
J
R
N
51°29'30"
90°16'00"
Hook
L.
Kawinogans Riv.
Wimbabika
Lake
Pickle
Creek
Pickle
Lake




Ministry of Northern Development and Mines

Ontario

ONTARIO GEOLOGICAL SURVEY

PROPERTY LOCATION MAP

GEOLOGICAL DATA INVENTORY FOLIO 277

(Map 2 of 3)

# KAPKICHI LAKE AREA

DISTRICT OF KENORA
(PATRICIA PORTION)

Scale 1:31 680

Kilometre 0.5 0 0.5 1 Kilometre

Mile 0.5 0 0.5 1 Mile

Lake
H

J

R

N

Lake

Wimbabika

Pickle

LINE

TRANSMISSION

H.E.P.C.

Creek

AD

River

Kawinogans

AD

AD

River

Carpenter

90°29'00"

51°23'00"

Pickle

Ochig

Lake

Lake H

J

R

N

Wimbabika Lake

Pickle Creek

Pickle Lake

D

LINE

TRANSMISSION

H.E.P.C.

Creek

AD

Pickle

Ochig Lake

Fault Lake

Pickle Creek

Pickle Lake

D

Wimbabika Lake

N

Ochig Lake

Fault Lake

Fault Creek

## EXPLORATION DATA FILE AREAS

■ Ⓐ Ⓒ Reference letters are always inside work area outlined. See listings in text pages.

■ x Ⓐ Small area exploration.

TYPES OF DATA SHOWN ON THIS MAP

## GEOCHEMICAL AND GEOCHRONOLOGICAL DATA

- ☐ Geochemical sample site, with reference number
- ☐ Area of geochemical sampling, with reference number
- ☐ Age dating material sampling site, with reference number

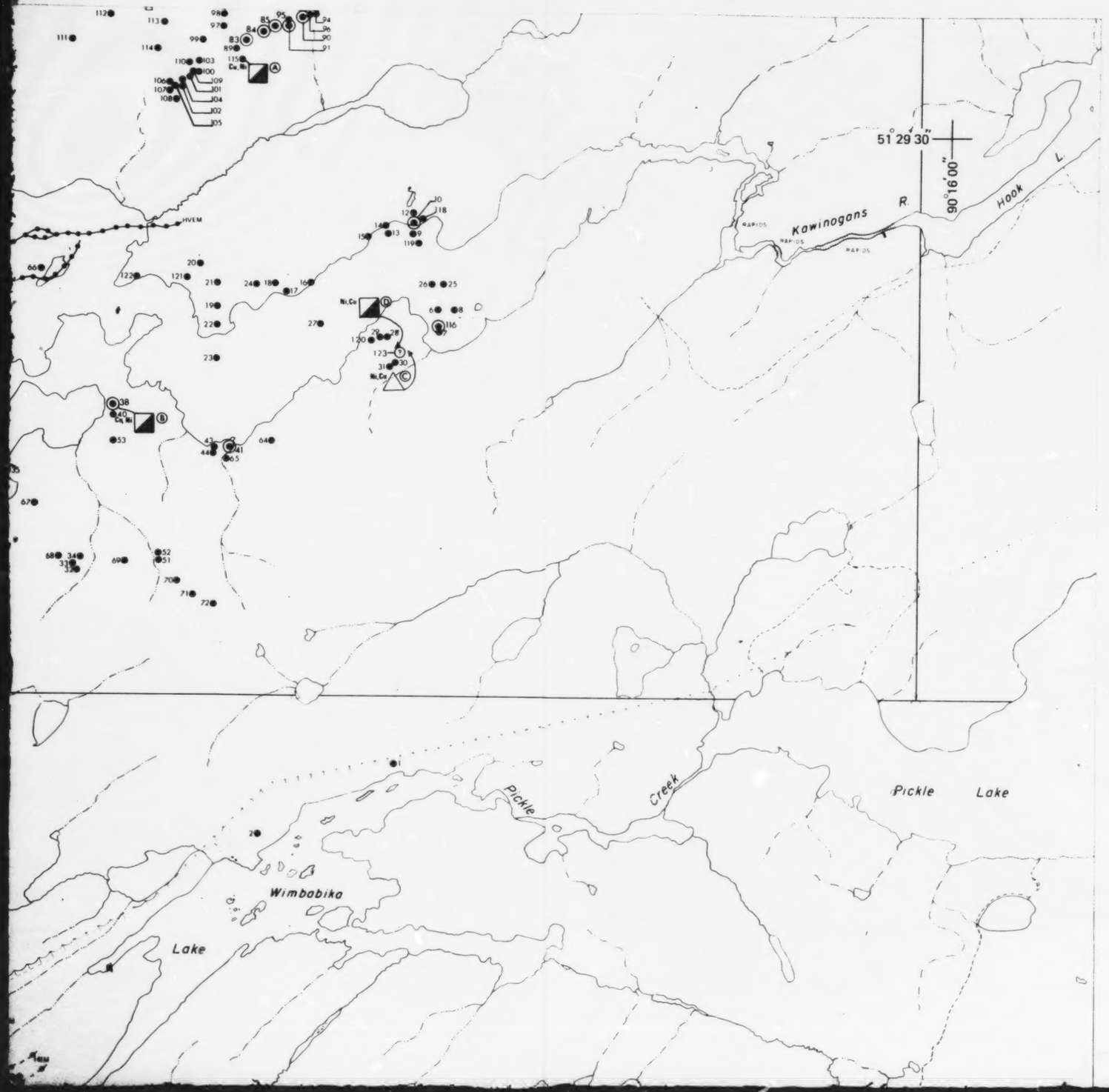
## GEOPHYSICAL ANOMALIES

- ☐ AM — Airborne magnetic anomaly
- ☐ Airborne electromagnetic anomaly Length of anomaly along flight line
- ☐ Airborne electromagnetic anomaly Location of anomaly along flight line
- ☐ Airborne electromagnetic anomaly Conductor axis: definite, probable, possible
- ☐ ARA — Airborne radiometric anomaly
- ☐ M — Ground magnetic anomaly
- ■ VL — Ground electromagnetic anomaly ( HEM-Horizontal Loop; VEM-Vertical Loop; CEM-Crone 'Shoot back'; HVEM-Horizontal & Vertical Loop )
- ☐ RA — Ground radiometric anomaly
- ☐ IP — Induced polarization anomaly
- ☐ SP — Self potential anomaly
- ☐ AFMAG — Audio-frequency magnetic anomaly (total intensity)
- ☐ R — Resistivity anomaly
- ☐ GR — Gravity anomaly
- ☐

## MISCELLANEOUS DATA

- ☐ Trenching, pit
- ☐ Adit
- ☐ Rock quarry
- ☐ Sand and/or gravel pit

51°29'30"
Kawinogans R.
RAPIDS
RAPIDS
RAPIDS
Minominatikaka Creek
Creek
Kapkichi Lake
Wimbabika Lake
Pickle Creek
Pickle
HVEM
HVEM
HVEM
HVEM
HVEM
HVEM
HVEM
HVEM
HVEM
HVEM
No. Co.
No. Co.
Co. No.
A
B
C
D




Ministry of Northern Development and Mines

Ontario

ONTARIO GEOLOGICAL SURVEY

EXPLORATION DATA MAP

GEOLOGICAL DATA INVENTORY FOLIO 277

(Map 3 of 3)

# KAPKICHI LAKE AREA

DISTRICT OF KENORA
(PATRICIA PORTION)

Scale 1:31 680

Kilometre 0.5 0 0.5 1 Kilometre

Mile 0.5 0 0.5 1 Mile

## GEOLOGICAL AND MINING SYMBOLS

TYPES OF DATA SHOWN ON THIS MAP

### MINERAL OCCURRENCES

- cp A. — Mineral occurrence at surface, with reference letter
- Au A. — Mineral occurrence with shaft, depth given with reference letter
- Ag A. — Mineral occurrence reported but exact location uncertain, with reference letter
- cp A. — Mineralized float with reference letter

P 0 1 F

☐ AFMAG — Audio-frequency magnetic anomaly (total intensity)

☐ R — Resistivity anomaly

☐ GR — Gravity anomaly

☐

## MISCELLANEOUS DATA

☐ Trenching, pit

☐ Adit

☐ Open pit

☐ Rock quarry

☐ Sand and/or gravel pit

NOTE: Consult the text that accompanies this map for pertinent lists of data, references, and abbreviations.

Pickle Lake

Pickle Creek

Wimbabika Lake

Creek

Pickle

Ochig Lake

Fault Lake

Fault Cr

HVEM

HVEM

HVEM

HRM

HRM

RAPIDS

54

59

73

61

60

1

2

## GEOLOGICAL AND MINING S

TYPES OF DATA SHOWN ON THIS MAP

### MINERAL OCCURREN

- cp A. — Mineral occurrence at surface, with
- Au A. — Mineral occurrence with shaft, dep reference letter
- Ag A. — Mineral occurrence reported but ex reference letter
- cp A. — Mineralized float with reference let

### DRILLHOLE

- ●² — Location of single drillhole, with ref
- ◉² — Location of closely spaced group of number
- (?)² — Drillhole, exact location uncertain,
- ◎ — Property with underground drillhol reference number
- ○² — Property with drillholes which have with reference number
- ⊕² — Reverse circulation drillhole; churn number

## GEOLOGICAL AND MINING SYMBOLS

TYPES OF DATA SHOWN ON THIS MAP

### MINERAL OCCURRENCES

- ☐ cp ▲ A. — Mineral occurrence at surface, with reference letter
- ■ Au ◪ A. — Mineral occurrence with shaft, depth given with reference letter
- ■ Ag ⚠ A. — Mineral occurrence reported but exact location uncertain, with reference letter
- ☐ cp ▬ A. — Mineralized float with reference letter

### DRILLHOLE

- ■ ●² — Location of single drillhole, with reference number
- ☐ ◉² — Location of closely spaced group of drillholes, with reference number
- ■ ⊙² — Drillhole, exact location uncertain, with reference number
- ☐ ◎ — Property with underground drillholes in this general area, with reference number
- ☐ ○² — Property with drillholes which have not been plotted on map, with reference number
- ☐ ⊕² — Reverse circulation drillhole; churn drilling, with reference number